

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-4. (Cancelled)

5. (Currently Amended) The caliper pig of claim [4] 24, wherein said sleeve is axially movable along the body and carries switch actuation means.

6. (Cancelled)

7. (Currently Amended) The caliper pig of claim [6] 24, wherein said detector is a resilient disc having a scratch recording layer bonded to a front face thereof turned toward said front end of the pig said layer possessing:

- (a) flexibility sufficient for the layer to follow resilient deformation of the resilient disc and return with the disc to a non-deformed state;
- (b) smoothness and softness sufficient for the layer to become and remain scratched when the detector engages an anomaly of a predetermined minimum radial magnitude and when the detector returns to said non-deformed state;

whereby, after passage of the caliper pig through the pipeline, the front face of the disc indicates the nature and magnitude of anomaly or anomalies encountered during the passage by way of scratched portions of the recording layer.

8. (Original) The caliper pig of claim 7, wherein said detector is a disc made from an elastomeric material and said scratch recording layer is a lead plate bonded to said front face of the disc.

9. (Original) The caliper pig of claim 8, wherein the outside diameter of the detector is about 80% of the inner diameter of the pipeline.

10. (Original) The caliper pig of claim 9, wherein the thickness of said lead plate is from about 1/16" to about 1/8", the thickness of said disc being from about 2" to about 12".

11. (Currently Amended) The caliper pig of claim 10, wherein the outside diameter of the disc and of the layer is about 8", the thickness of the lead ~~plat~~ plate is about 1/16" and the thickness of the disc is about 3/4".

12. (Original) The caliper pig of claim 7, wherein said resilient disc is a urethane disc and said scratch recording layer is a layer of paint.

13-23. (Withdrawn)

24. (Currently Amended) The caliper pig of claim [2] 25, wherein the converting member includes a sleeve movably secured to and coaxial with the body, said resilient ~~disc~~ detector being generally fixedly secured to said sleeve.

25. (New) A caliper pig for detecting an obstruction in a pipeline, comprising:

- (a) an elongated body including a front end and a rear end;
- (b) a front carrying guide ring at the front end and a rear carrying guide ring at the rear end, the carrying guide rings being adapted for supporting the body in a coaxial sliding engagement

with an interior surface of the pipeline and driving the body through the pipeline, the front end first, using the flow of fluid in the pipeline.

- (c) a transfer mechanism comprising a converting member movably secured to and coaxial with the body, and an electrical signal producing device actuated by movements of the converting member; and
- (d) a generally disc-shaped, resiliently flexible detector movable along and coaxial with the body and having an outer diameter smaller than the inside diameter of the pipeline to define therewith a generally annular void having a predetermined radial clearance, the detector being connected to the transfer mechanism such that contact by the detector with an obstruction larger than the radial clearance causes the converting member to move.

26. (New) The caliper pig of claim 25 wherein the detector is movable between a first and second position relative to the body and the caliper pig further comprises a spring connected to the detector that biases the detector in the first position.

27. (New) The caliper pig as claimed in claim 25 wherein the converting member is secured to the body in between the carrying guide rings.